

### REMARKS

Entry of this Amendment and reconsideration are respectfully requested in view of the amendments made to the claims and for the remarks made herein.

Claims 1, 3-5, 7-9, 11-13 and 14-20 are pending and stand rejected. Claims 1, 5, 9 and 13 have been amended.

Claims 1, 3-5, 7-9, 11-13 and 15-20 stand rejected under 35 USC 102(b) as being anticipated by Boyce (USP no. 6,025,878).

Claims 1, 5, 9 and 13 have been amended to recite that the "predetermined area includes each of the coefficients in at least one IDCT column."

Support for the amendment may be found at least in Fig. 4A and 4B and at page 6, lines 7-10, which state "[a]s can be seen in Figure 4A, the predetermined area is a 2x8 area and in Figure 4B, the predetermined area is an 1x8 area." Also, on page 7, lines 10-14, which state "... the present invention utilizes reduced B-frames for example that may include either that 8x1 or 8x2 blocks. Thus, for example, the IDCT unit 6 may be configured to perform either an 8x1 or 8x2 IDCT."

Boyce teaches a method and apparatus for implementing a reduced cost HDTV/SDTV video decoder. Boyce describes in one embodiment, that the "number of DCT coefficients which are used to represent each macroblock and/or macroblock by discarding the higher frequency DCT coefficients which exceed a predetermined number of DCT coefficients." (see col. 6, lines 63-67). Boyce further illustrates the selection of different coefficients in Figures 3A-3D. However, Boyce fails to teach selecting all the coefficients in at least one IDCT column, as is recited in the claims.

It is well recognized that to constitute a rejection pursuant to 35 USC §102, i.e., anticipation, all material elements recited in a claim must be found in one unit of prior art.

Boyce cannot be said to anticipate the present invention as Boyce fails to disclose each and every element recited. As shown, Boyce fails to define a predetermined area that includes all the coefficients in at least one IDCT column.

At least for this reason, applicant submits that the rejection of the claim has been overcome and can no longer be sustained. Applicant respectfully requests withdrawal of the rejection and allowance of the claim.

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With regard the remaining claims these claims ultimately depend from the independent claims, which have been shown to contain subject matter not disclosed by, and, hence, allowable over, the reference cited. Accordingly, these claims are also allowable by virtue of their dependency from an allowable base claim.

Accordingly, applicant respectfully requests withdrawal of the rejection and allowance of the claims.

Claim 17-20 stand rejected under 35 USC 103(a) as being unpatentable over Boyce.

Applicant respectfully disagrees with and explicitly traverses the reason for rejecting the claims.

The Office Action refers to Figures 3C and 3D as illustrating that Boyce teaches the selection of 1x8 or 2x8 predetermined areas. However, Boyce teaches that with reference to entries in Figures 3A-3D, those labeled "X" represent coefficients that are to be processed which those labeled "0" are to be discarded. (see col. 16, lines 41-53, which state "[t]hat is, the IQ circuit is designed to set a preselected group of DCT coefficients of a HDTV macroblock to 0 while processing the remaining DCT coefficients of each HDTV macroblock being processed. In one exemplary embodiment ... The DCT coefficients of an 8x8 block are discard by the IQ circuit as illustrated in FIG. 3C where zeros are used to represent discarded DCT coefficients and X's are used to represent DCT coefficients which are processed.

Accordingly, Boyce fails to teach or suggest processing each of the elements in the predetermine area.

Notwithstanding the arguments presented herein, claims 17-20 depend from the independent claims, which have been shown to be allowable over the cited reference. Accordingly, these claims are also allowable over the cited reference by virtue of their dependence from an allowable base claim.

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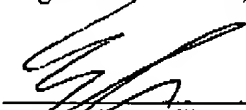
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For at least the remarks above, applicant respectfully believes that the reason for the reject has been overcome and requests withdrawal of the rejection and allowance of the claims.

For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

Respectfully submitted,

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